

National 4 Homework 7

All questions are non-calculator.

1. Calculate

- (a) $\frac{5}{7}$ of 406 (b) $\frac{1}{8}$ of 140 (c) $\frac{4}{9}$ of 6570 (d) $\frac{3}{10}$ of 32 (e) $\frac{2}{3}$ of 45.9
(f) 10% of £65 (g) 30% of 740 (h) 25% of £88.20 (i) 60% of 1800 (j) 75% of £95

2. The height of Mount Everest is 29 029 feet.

- (a) Round this number to one significant figure
(b) Write your answer to (a) in scientific notation.



3. Jenni leaves Edinburgh at 0625 to fly to Kilimanjaro in Tanzania.

Her flight time is 11 hours 40 minutes.

Clocks in Tanzania are 2 hours ahead of those in Scotland.

What will the clock in Tanzania read when Jenni's flight arrives?

4.



A computer costing £499 is reduced by 30% in a sale
Calculate the sale price.



5. Copy and complete this table. The first one has been done for you.

Fraction	$\frac{1}{2}$	$\frac{1}{4}$			$\frac{1}{5}$		
Percentage	50%		75%			60%	
Decimal	0.5			0.1			0.05

6. During 2011 the maximum temperature recorded at Glasgow Airport was 27°Celsius.

The minimum temperature recorded was -9°Celsius.

Find the difference between these two temperatures.



7. The workers in a factory were voting on a proposed pay offer. $\frac{5}{8}$ of the 368 workers voted to accept the offer.

How many workers did not vote to accept the offer?

8. Hamish invests £750 in a bank account which earns interest at a rate of 3% per year.

How much does he have in his account at the end of one year?

9. Claire earns £285 for 30 hours work.

How much would she get paid for 8 hours work?

10.



A garage sells 160 cars in March.

In April the number of cars sold is 208.

Calculate the percentage increase in sales.